

19981122.ba v02_n312.bam.981122 v02_n313.bam.981122

>From ???@??? Sun Nov 22 07:58:25 1998
Message-Id: <199811221240.GAA01366@sco.theporch.com>
Date: Sun, 22 Nov 1998 06:40:24 CST
Subject: BOATANCHORS digest 2312

BOATANCHORS Digest 2312

Topics covered in this issue include:

- 1) Six Meter Sideband, anyone?
by "Robert Nickels" <ranickel@mwci.net>
- 2) Re: Television standards
by Charles Ring <charlesr@infonline.net>
- 3) SX-100
by "Charles Moody" <cmoody@brandons.net>
- 4) Re: Magnetic recording
by Charles Ring <charlesr@infonline.net>
- 5) RE: TV7D shorts neon
by Dennis McLaughlin <dennism2@ix.netcom.com>
- 6) TUBES FOR SALE
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 7) RE: Titanic lies and unsung heroes.
by Scott Robinson <spr@earthlink.net>
- 8) Re: Titanic lies and unsung heroes.
by Scott Robinson <spr@earthlink.net>
- 9) Re: 60s 6 Mtr Gear
by "Spencer Petri" <spetri@e-tex.com>
- 10) Re: Titanic idlers
by polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
- 11) Re: 60s 6 Mtr Gear
by "Robert Nickels" <ranickel@mwci.net>
- 12) Collins 75S-3C For Sale
by Glenn Finerman <glennfin@mjet.com>
- 13) Re: Six Meter Sideband, anyone?
by "Catherin Dentremont" <cdent@tenet.edu>
- 14) Re: Television standards
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 15) Re: Magnetic recording
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 16) Re: Magnetic recording
by John Kolb <jlkolb@cts.com>
- 17) Re: Television standards
by "Steve" <scb@mail.internettport.net>
- 18) R-391 FS
by Kevin Gallagher <wire2liv@gomontana.com>
- 19) re: Titanic Lies and Unsung Heroes

by midshires@cix.co.uk (Andrew Emmerson)
20) re: Early Tv
by midshires@cix.co.uk (Andrew Emmerson)
21) Re: television standards
by midshires@cix.co.uk (Andrew Emmerson)

Message-ID: <01c001be1588\$5fbb5280\$f32fcfd1@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Six Meter Sideband, anyone?
Date: Sat, 21 Nov 1998 13:48:10 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

Resident "Magic Band" scholar AB5L has, correctly, referenced the July 1964 issue of 73 Magazine as the definitive resource on VHF gear from that era. Included are a number of obscure rigs and manufacturers that don't usually turn up at hamfests alongside the S-40Bs and much-modified Lunchboxes...

I was a bit surprised to learn in my careful research (i.e. random selection from the bookshelf) that a previous work, 73 Magazine for February 1963 ("the usual 40 cents") published a review of Single Sideband gear for six which included several pieces not mentioned in the subsequent buyers guide, including:

- * Telco SB-50 (20 to 6 meter transmit converter) \$85
- * Telco SSB-50 (promised to be a complete 6 meter SSB exciter)
- * Continental SSB-6 (20 to 6 meter transmit converter) \$100
- * Irving Hi-verter (20 to 6 meter transmit converter) \$60 kit, \$100 ass'd
- * L-W Labs (complete 6 meter exciter) \$100
- * Supreme SSB-6 (complete 6 meter exciter) <--original name! \$229
- * Supreme SSB-6VFO (duh...) \$279
- * J&D Labs Linear (1000 watts ? using pair of 7034s) \$200

In addition to the more recognizable Heath HX-30/HA-20, P&H 6-150, Clegg Venus, Hallicrafters HA-6, 6N2 T-bolt, and unobtainium Collins 62S1.

Has anyone ever seen - or owned - any of the oddball gear listed above? 1963 would have been on the sunspot upswing and VHF AM was very popular - so why weren't these new offerings more successful?

If anything, the more expensive rigs survived where the \$100 converters didn't. Could it be that it was "just too easy" to whip up your own

homebrew xmit converter back then? Or did Heath, Hallicrafters, and Clegg have the distribution channel the upstarts lacked?

Or - did all the AM fellers from 50.4 come down to the low end of the band and just boot these "Silly Sidebanders" right out of the market?

73, Bob W9RAN

Message-ID: <36571B71.44E323BC@infonline.net>
Date: Sat, 21 Nov 1998 14:58:42 -0500
From: Charles Ring <charlesr@infonline.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Television standards
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"ARTHUR I. LARKY" wrote:

> Hank van Cleef wrote:

>

> >The RS-170 standard that was agreed on in the fall of 1941 differed
> >from this in specifying 525 lines and FM audio. I think that the
> >shift from 441 to 525 lines was made in 1939 or 40 (Worlds Fair TV
> >displays ?). Specification of FM audio was a last-minute change in
> >the summer of 1941. However, the 1941 standard was the same standard
> >that was used through the 1940's, and the alteration of the standard
> >to include RCA color does not change the black-and-white attributes of
> >the standard---1999 analog TV still is compatible with the Nov. 1941
> >standard.

>

> The incompatibility of their color method with B&W TV sets was a major reason
> why the CBS electromechanical system was not adopted. The other reason was
> that people were concerned that the spinning disk might take off some day
> and slice up the viewers. (Also it was too big since it had to have a
> diameter of twice the picture size.) I remember that CBS actually did
> broadcast their version of color which could be seen, sort of, on a B&W tv if
> you adjusted the horizontal and vertical synch properly. You got multiple
> images of the "picture-in-picture" variety when you did that.

>

> My father used to say he saw color on his 50's B&W TV set, specifically color
> bubbles on the Guy Lombardo show, or was it Lawrence Welk? He believed that
> system was suppressed so people would have to buy new TV sets to get color. Did

> such a thing exist or was it one of his tall tales? He also told me, as a child
> who believed his every word, the "time-skipping call letters" urban legend as
> if it were gospel truth that he had seen himself.

73 de W3NU, ex-WA8VNU

Message-ID: <00c601be158a\$03f4d640\$a7a031cc@cmoody>
From: "Charles Moody" <cmoody@brandons.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SX-100
Date: Sat, 21 Nov 1998 14:03:30 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gentlemen: I am interested in picking up a Hallicrafters SX-100 for use in my ham station. I have a National NC-300 and a Hallicrafters SX-43 that could be part of a swap. My two receivers have not been restored and not plugged in in 10 years. I'm afraid to plug them in now. They are complete and without dents or serious scratches. I am looking for an SX-100 that is in good operating condition. If you're not interested in a deal that includes my two BA's, please quote your cash price and what arrangements you would prefer for shipping.
Thanks,
Charles, N4PI

Message-ID: <36571E0F.9A4F613A@infonline.net>
Date: Sat, 21 Nov 1998 15:09:51 -0500
From: Charles Ring <charlesr@infonline.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Magnetic recording
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Henry van Cleef wrote:

> I'm surprised nobody has asked what is meant by "AC bias" or why it is
> used. The AC bias is a high frequency AF signal, typically around 50
> Khz, that is superimposed on the AF recording signal. It's primary
> function is to assure that there is enough magnetic force at all times

> to assure that the AF signal does not have crossover distortion in the
> magnetic hysteresis gap that is present in all magnetic materials
> (where a change in magnetizing force produces no change in the
> magnetization of the iron).
> --

I understand AC bias all right, but not the "DC bias" that preceded it as applied to wire or tape recording. Does that just mean a DC voltage continuously applied to the record head with audio superimposed on it? Is that any better than no bias at all?

My first experience with recording was on my father's Sears Silvertone wire recorder/AM radio/78 rpm record player with locktal tubes, which had AC bias but was strictly voice-grade. I know what wire or tape recordings sound like when the bias oscillator would fail (yecch); did DC bias give better results than THAT?

73 de W3NU, ex-WA8VNU

Message-ID: <01BE1567.9998DF20.dennism2@ix.netcom.com>
From: Dennis McLaughlin <dennism2@ix.netcom.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: TV7D shorts neon
Date: Sat, 21 Nov 1998 15:56:03 -0500

Mine is marked as a NE45

-----Original Message-----
From: ARTHUR I. LARKY [SMTP:ail0@lehigh.edu]
Sent: Friday, November 20, 1998 2:20 PM
To: Old Tube Radios
Subject: TV7D shorts neon

Gang,
Would someone please unscrew the shorts neon in their TV7D and let me know the part ID so I can purchase one somewhere. Mine arrived without one and I can't find an identification for it.
Thanks,
Art K3HBA

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Date: Sat, 21 Nov 1998 17:01:33 -0500 (EST)
Subject: TUBES FOR SALE
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811211701.aa11060@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Got some odd tubes here...

Sylvania JAN-307A/VT-225, can't find any info on it in paper, (not tested, used). Looks like a power tube, plate cap on top.

Varian VA-222D, used, looks like a microwave tube, 8-pin octal base, plate cap, 2 rectangular end flanges (w/plastic dust caps), some kind of threaded screw adjustment.

W.E. 717A, used, none of my tube testers can test this.

3@ W.E. JAN-CW-3B24's, can't test these.

2@ NOS RCA JRC-1A3's in orig. cartons, test ok on pre-WWII emission-type tester.

Please make offer if you need any of this, prefer all go to one person, less packing for me! I cannot use any of this.

-John Sehring (3:00 pm Sat, Nov 21, 1998 at Custer, SD USA) ucc wb2eqg

Message-Id: <v03007803b27cf2883cbb@[153.34.29.95]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 21 Nov 1998 14:47:44 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: RE: Titanic lies and unsung heroes.

Marty wrote:

>
>Think it was Mullins that took a complete 'tonschreiber' back in a parts
>basket to CA right after ww2 & reassembled it for Mr. Bing
>
>Got moolah & partnered with a man fm Ga Tech to buy a little xfirmr company
>called Ampex & build the things.

and Scott sez:

Well, speaking as a former Ampex employee and a person who met Jack Mullins briefly once, let me assure you that Jack didn't buy Ampex. What NBC did was look for a company to build two machines (a main one and a backup) under contract, and they found Ampex, a small electric motor company owned by Alexander M. Poniatoff. Ampex agreed to do this and the rest is history.

I always wondered who started Irish tape company. I think they have spun off from Ampex and are now called Quantegy.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Message-Id: <v03007804b27cf5cb00d6@[153.34.29.95]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"
Date: Sat, 21 Nov 1998 14:58:57 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: Titanic lies and unsung heroes.
Cc: boatanchors@theporch.com

Arden Allen wrote:

Magnetomaniacs;

>

>Magnetic tape recording history.....gotta be the best thread of
the

>year. Makes me want to get out my purchased new is '63 Sony 300

>(definitely a BA.....I used to have some Irish tape also). I'm afraid
the

>rubber tire idler wheels are shot though. I wonder if one can still
obtain

>replacement idlers. Anyone know?

>

And Scott sez:

First call Sony (800 number, try 800 info) ; I've found their main parts system excellent!

Otherwise, here's your source:

<fontfamily><param>Geneva</param><bigger><bigger>Also, you might want to check into Prime Electronics, formerly

Projector and Recorder Belt Co., Whitewater, Wisconsin. It's a hrd to believe how many belts, idler drives, and all that in their catalogue.

They are now called Premium Parts+ and still in Whitewater, WI.

1-800-558-9572, FAX is 1-800-887-2727. An excellent source for all kinds

of drive belts and wheels.

You can get replacement belts from Premium Parts Plus 1-800-558-9572 which

sells belts under their Projector Recorder Belts brand name. The Sony TC-126

takes four belts, PRB part numbers: SCY3.2, SCX3.5, SCY5.2 and SCX10.7.

They also have generic cassette drive wheels and pinch rollers. Ask for a

catalog. They carry a huge selection of belts and drive wheels for old equipment. They also do custom rebuilding of drive wheels like the RCA 45 RPM

changers.</bigger></bigger></fontfamily>

Regards,

Scott Robinson

spr@earthlink.net

Junque is GOOD for you!

Message-ID: <000101be15ae\$366a9500\$332719ce@enduser>
From: "Spencer Petri" <spetri@e-tex.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 60s 6 Mtr Gear
Date: Sat, 21 Nov 1998 16:22:30 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

Speaking of the Supreme transmitter, I own one which has a built-in VFO, serial Nr. 00001. This one must have been the prototype because it had several mis-wires and could have never worked as it was wired. Never saw this model advertised in any magazine.

73 de Pete WA5JCI EM 21

6 Meters WAC - WAS #490 - VUCC #361- DXCC/91

2 Meters 36 States - VUCC # 346

Date: Sat, 21 Nov 1998 17:37:51 -0500
From: polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199811212237.RAA28729@aaa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: Re: Titanic idlers

Some plain acetone will pep up the surface of those idler periph.s Arden

A good gummi bear shud know

Message-ID: <02a001be15a7\$ba45a240\$f32fcfd1@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 60s 6 Mtr Gear
Date: Sat, 21 Nov 1998 17:33:35 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Spencer,

>Speaking of the Supreme transmitter, I own one which has a built-in VFO,
>serial Nr. 00001.

I think you get the cigar! I'm always amazed when one-of-a-kind and unusual gear shows up within our BA-list fraternity.

The same issue of 73 carries an ad from Supreme Electronics on the SSB-6, which would be the earlier model (without the VFO like Spencer's).

Highlights include:

- McCoy 32B1 Silver Sentinel Crystal Filter
- 75 watts input, 6146 final
- USB/LSB/CW/AM with carrier injection
- 7360 Balance Modulator
- Size: 12" wide, 6.5" high, 7.5" deep - 7.25 pounds.

Sounds like a slick little rig! The non-VFO model had a nice Simpson meter smack in the front panel, maybe we can get Spencer to make a jpeg of his even rarer VFO model available...

Supreme was in Upland Pennsylvania, wonder what became of them?

73, Bob W9RAN

Message-Id: <199811220119.TAA08067@sco.theporch.com>

Date: Sat, 21 Nov 1998 20:16:58 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Glenn Finerman <glennfin@mjet.com>
Subject: Collins 75S-3C For Sale
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have for sale a Collins (W.E.) 75S-3C receiver. Excellent condition electrically and cosmetically. Some light scratches on top of cabinet, couple of the knobs have some scratches, needs new dial and meter bulbs. Inside is extremely clean. Works perfectly, looks great. \$700. That includes double box packing and shipping via UPS. Manual copy included.

Jpeg photos available.

73.....Glenn Finerman K2KL

glennfin@mjet.com

Message-ID: <3657675E.38DA@tenet.edu>
Date: Sat, 21 Nov 1998 19:22:38 -0600
From: "Catherin Dentremon" <cdent@tenet.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Six Meter Sideband, anyone?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Robert Nickels wrote:

<snip>

> * Telco SB-50 (20 to 6 meter transmit converter) \$85
> * Telco SSB-50 (promised to be a complete 6 meter SSB exciter)

<snip>

> Has anyone ever seen - or owned - any of the oddball gear listed above?

<snip>

Well...FWIW, I've got the <docs> for the SB-50 (with a schematic date of 5-31-62 showing the 6U8 used for local injection, a 5763 mixer and 6146 final, along w/ instruction for modifying a Heath HP-20 to pwr the thing)

as the only set of docs that was supplied with my DELTA-MEG Products SSB-50.

This is a kind of attempt to mfg. a 6M only version of the 62S-1, as it contains

a 6M to 20M down converter for rx, in addition to a self-contained B+ and filament

supply, while drawing the HV from the output on the back of a KWM-2 to pwr the

pair of 6146's contained inside the 'cane metal' final cage.

Of course, I'd gladly trade for a set of docs to correspond directly to the unit to supplement the hand-drawn schematic I got along with the typewriter

page supplement taped inside the front cover of the Telco SB-50 manual.

=-0

73, Gerald W5BA

Message-Id: <199811220129.UAA50392@ns5-1.CC.Lehigh.EDU>

Date: Sat, 21 Nov 1998 20:29:39 EST

From: ail0@lehigh.edu (ARTHUR I. LARKY)

Subject: Re: Television standards

To: Old Tube Radios <boatanchors@theporch.com>

Charles Ring wrote;

[snip]

>> My father used to say he saw color on his 50's B&W TV set, specifically color
>> bubbles on the Guy Lombardo show, or was it Lawrence Welk? He believed that
>> system was suppressed so people would have to buy new TV sets to get color. D
id

>> such a thing exist or was it one of his tall tales? He also told me, as a child

>> who believed his every word, the "time-skipping call letters" urban legend as
>> if it were gospel truth that he had seen himself.

>

>73 de W3NU, ex-WA8VNU

It was common to have a colored plastic overlay on B&W tv sets in the 50's. Some of them were in horizontal shades so that the area where heads were on the screen would be flesh-colored. Maybe that's what he saw.

What's the "time-skipping call letters"? I seem to have missed that bit of apochrypha.

Art K3HBA

Message-Id: <199811220149.UAA83740@ns5-1.CC.Lehigh.EDU>

Date: Sat, 21 Nov 1998 20:49:33 EST

From: ail0@lehigh.edu (ARTHUR I. LARKY)

Subject: Re: Magnetic recording
To: Old Tube Radios <boatanchors@theporch.com>

W3NU wrote:

>I understand AC bias all right, but not the "DC bias" that preceded it as
>applied to wire or tape recording. Does that just mean a DC voltage
>continuously applied to the record head with audio superimposed on it? Is
>that any better than no bias at all?

>

>My first experience with recording was on my father's Sears Silvertone
>wire recorder/AM radio/78 rpm record player with locktal tubes, which had
>AC bias but was strictly voice-grade. I know what wire or tape recordings
>sound like when the bias oscillator would fail (yecch); did DC bias give
>better results than THAT?

>

>73 de W3NU, ex-WA8VNU

The problem with DC bias is that you can't pass DC through a transformer. Since the read/write heads are transformers whose secondary is the magnetic material of the recording medium, the recorded waveform has to float up and down in intensity to give a net zero average. This results in a varying "DC bias" to the recorded waveform. As Hank van Cleef pointed out, this means that you are in the non-linear portion of the magnetization response. AC bias has a zero net average value, so the waveform does not float. Also, it biases the applied flux so that the audio is moving the magnetism up on the magnetization curve away from the crossover point.
Art K3HBA

Date: Sat, 21 Nov 1998 22:09:37 -0800 (PST)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Magnetic recording
Message-ID: <Pine.SCO.3.91.981121220330.14964E-100000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 21 Nov 1998, Charles Ring wrote:

> I understand AC bias all right, but not the "DC bias" that preceded it as
> applied to wire or tape recording. Does that just mean a DC voltage
> continuously applied to the record head with audio superimposed on it? Is
> that any better than no bias at all?
>

About 1954, I saw my first tape recorder, an Amperex, I think, which belonged to the school system. When recording, the tape

was routed to pass next to a small horseshoe magnet, before going past the recording/playback head. This would erase whatever was on the tape already. When playing back, the tape was routed over different guides to avoid the magnetic field of the magnet. Rewind was with a hand crank on the supply reel.

These units and Webcor recorders were both old equipment at the time.

John

Message-Id: <199811220801.CAA04156@loki.internettport.net>
From: "Steve" <scb@mail.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sun, 22 Nov 1998 01:53:33 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Television standards
CC: boatanchors@theporch.com

>My brother worked on color TV at RCA Princeton and has some color tv patents. I used to have, and maybe still have, one of their chassis' from their color TV lash-ups in the basement.

Hi, Art;

Several years ago, I met a fellow at a friend's house in Atlanta that said he had worked on development of color television at RCA and that the project had the highest priority, prompting deadlines and long hours. I asked how the shadow mask was made, curious how the myriad of precisely sized and spaced holes in the round steel sheet were done. He told me that they settled on a simple etching method borrowed from the rotogravure printing process. He then stated that their most difficult problem was coming up with a substance that could fluoresce pure red, and with the proper persistence, as strongly as the green and blue under electron bombardment. Red fluorescence, unlike green and blue, is quite rare in nature. The substance eventually used came from a single mine overseas that Sylvania later bought outright at great cost to corner the source, hoping to recoup the outlay by selling their exclusive product to RCA and other CRT manufacturers. Not too long after that another deposit was found much closer, in Canada I think. Furthermore, the new mine could produce and deliver for less than Sylvania was paying to mine theirs, thus spoiling Sylvania's plan and placing them under an ongoing economic burden, so he stated.

Regards; Steve

Message-ID: <3657C299.5205AAAA@gomontana.com>
Date: Sun, 22 Nov 1998 00:51:54 -0700
From: Kevin Gallagher <wire2liv@gomontana.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: R-391 FS
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gentlemen, Here is a receiver that you don't see everyday and won't see listed by me on e-bay. I have a collins 391 for sale. I haven't had it long and it needs some work,(mostly cleaning). I truly love military receivers and enjoy working on 392's but there may be one of you out there who might enjoy more and have more expertise on the 390 series than I will ever have. I have a set price on this receiver (what I paid for it) with or without manual. Please e-mail me for price and particulars. Thanks, Kevin

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 22 Nov 1998 12:28 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: re: Titanic Lies and Unsung Heroes
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981122122803.5607H@midshires.compulink.co.uk>

As author of the article in _EW_ and the longer version in _Wireless World_, I might mention that the articles contain much more detail than the extracts cited. If anyone would like the full text, I'll be happy to e-mail it to them.

>Last thoughts: the *oddest* "tape" machine was used by BBC, WW II-ish. Actually from the early or mid-30s onwards. Of German origin, its two names were the _Blattnerphone_ or the _Marconi-Stille_ recorder.

Tape speed was fiendishly high, as in 15 or 30 ips (7.5 & 15 were common pro speeds, later), and it used *steel* tape, about like the stuff in a tape measure! To protect the operator, the transport was enclosed in a heavy, close-set grille when in operation--a broken tape was a *lot* more than just an annoyance! It was mechanically noisy but it is claimed to have worked pretty well.

Yes, there are non-working examples in the BBC's collection and at the

Birmingham Science Museum. New Zealand has a working machine, used for transcriptions from time to time.

>I *think* the Brits also had the only home version of the optical sound recorder. Same process that was used for years by Hollywood <snip>

Known as the Philips-Miller machine. Wasn't aware of a home machine but perhaps, like the U-Matic video recorder and today's DAT, it was sold as a home machine but used virtually exclusively for commercial applications.

Andrew Emmerson G8PTH
tel: 07000-405625, international +44 1604-844130
fax: 01604-821647, international +44 1604-821647

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 22 Nov 1998 12:28 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: re: Early Tv
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981122122806.5607I@midshires.compulink.co.uk>

> but glommed by GEC/Marconi in England.

GEC and Marconi were unconnected companies in those days.

>It was called the "image disector"

Correct.

>was in exclusive use @ BBC's Alexandra Palace TV studio b4 war shut it down.

Categorically incorrect. Sorry but you're hopelessly wrong. The image disector was adopted in a small way by Baird, whose complete half-mechanical, half-electronic television system was rejected by the BBC in 1937 and not used thereafter. The system used by the BBC continuously from 1936 to 1939 (and again after the war) was the all-electronic Marconi-EMI system which used Emitron camera tubes (functionally similar to the Iconoscope but developed independently because RCA was not prepared to share its technology with EMI).

Andrew Emmerson/405 Alive magazine

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Date: Sun, 22 Nov 1998 12:28 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: Re: television standards
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981122122814.5607K@midshires.compulink.co.uk>

Hank writes:

> I'm not aware of a really good international history of the development
of electronic television

That's because there isn't one! Prof. Russell Burns had a book published
earlier this year...

TELEVISION: AN INTERNATIONAL HISTORY OF THE FORMATIVE YEARS. By Prof.
R.W. Burns. Published 1997 by the Institution of Electrical Engineers.
Hardback, 656 pages, richly illustrated. ISBN 0-85296-914-7. Copies are
available from the IEE, PO Box 96, Stevenage, Herts., SG1 2SD, price £75,
postage and packing included (UK).

A review in _405 Alive_ stated "Prof. Russell Burns declares that the
objective is to present a balanced history of world television, based in
the main on primary source documents and viewed from the perspective of
these times rather than the standpoint of a later generation. In a way it
is a companion to his earlier book British Television, the Formative
Years, but the photographs are much improved, due in part, to the use of
higher quality paper. There are 656 pages, 1,300 references and it is
copiously illustrated with line drawings, tables and photographs. <snip>"

In fact the book concentrates exclusively on the USA, Britain, France and
Germany, ignoring the USSR, Canada, Switzerland, Italy, Japan, Hungary,
Finland, Sweden, Czechoslovakia and the Netherlands, all of which
conducted television research before the war. Russia had a service from
1938, Italy from 1939 and several other countries got very close to
transmitting. I am working hard on a book that will fill in these gaps and
will welcome any contributions of information.

Andrew Emmerson G8PTH
tel: 07000-405625, international +44 1604-844130
fax: 01604-821647, international +44 1604-821647

End of BOATANCHORS Digest 2312

>From ???@??? Sun Nov 22 18:07:43 1998
Message-Id: <199811222246.QAA26030@sco.theporch.com>
Date: Sun, 22 Nov 1998 16:46:05 CST
Subject: BOATANCHORS digest 2313

BOATANCHORS Digest 2313

Topics covered in this issue include:

- 1) Re: Television standards
by "Roberta J. Barmore" <rbarmore@indy.net>
- 2) TS-34 SCOPE CASE AVAILABLE
by David Stinson <arc5@ix.netcom.com>
- 3) WTB: Hammarlund SPC-10 Sideband Adapter
by "Grant Youngman" <nq5t@gte.net>
- 4) re:ARC-5 STUFF
by Maurice Weinschenker <morry@ix.netcom.com>
- 5) ADMINISTRIVIA: Over Quoting
by listown@jackatak.theporch.com (Mail List Owner)
- 6) FS: RCA Audio Channelist
by David Stinson <arc5@ix.netcom.com>
- 7) WTB: cabinet for SBE-34
by jim lockwood <jmlckwd@mindspring.com>
- 8) Re: Television standards(Colors)
by Andre Guibert <aguibert@sympatico.ca>
- 9) Russian R-107T
by BEN NOCK <G4BXD@compuserve.com>
- 10) TBY-8 acc's wanted
by BEN NOCK <G4BXD@compuserve.com>
- 11) Re: 60s 6 Mtr Gear
by "Edward J. White" <wa3bzt@dpnet.net>
- 12) Russian R-107T
by Andre Guibert <aguibert@sympatico.ca>
- 13) Chart of BA frequencies in use
by "Eugene Rippen" <soundval@foothill.net>
- 14) Evansville (IN) Hamfest question
by MODSTEPH@ACS.EKU.EDU
- 15) Re: ARC-5 STUFF
by nielw@ix.netcom.com
- 16) Re: Magnetic recording
by Morris Odell <morriso@vifp.monash.edu.au>
- 17) re: 'Micamold' exploratory surgery
by Kargokult@aol.com
- 18) SOURCE OF DOUBLE FUSED A.C. POWER PLUGS A LA E.F. JOHNSON GEAR?
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 19) EARLY TV
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)

Date: Sun, 22 Nov 1998 09:40:12 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Television standards
Message-ID: <Pine.SUN.3.96.981122092211.3839A-100000@indy2>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

In re "color" on B&W TV sets: There is a means by which you can get some color effects, and it's one that can still be seen on TV sometimes, especially the local news.

It's called "moire," and it's what happens when you've got a couple of fine-pitch patterns superimposed--like the scanning lines of your TV set and the pinstripes in Joe Newsanchor's tie or jacket. This is the most commonly-seen version of the effect, and despite years of well-meant advice from years of grubby engineers, a week of checking your local TV news shows will turn up at least one example. Talent just loves those tiny patterns!

The problem with it is, the false color shifts as the relative positions of the two "gratings" shift. And there's no good easy way to sense color, fake the moire effect, and transmit it. (The colors are usually pretty faint, too). So it's not a practical path to "compatible color."

However, it can be deliberately done in a *title* sequence, with words over a background. It'd take some talent and considerable fooling around, but an art department with a bit of knowledge and a lot of spare time could pull it off.

...Once NTSC color was in use, there turned out to be far better ways to "colorize" graphics (titles, credits, etc.) and this was widely done, even occasionally when it was the only color content of a program; watching that on a color TV would probably be a little jarring for modern viewers and some TV stations would not do so for just that reason.

(Back when I worked at WLBC AM/FM, we'd had TV in the 50s-60s, later donated to the local university as it was a huge money-pit, and the staff were *still* telling tales of a huge confrontation between the Chief Engineer and a former assistant, when the Chief tuned in on night and saw color titles floating by! That assistant eventually quit, and went on to become one of the developers of the pressure zone microphone, which goes to show that being creative only pays off when you find the right niche in which to do so).

73,

--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-ID: <36583225.B54@ix.netcom.com>
Date: Sun, 22 Nov 1998 09:47:49 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: TS-34 SCOPE CASE AVAILABLE
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

TS-34 SCOPE CASE AVAIL;
If anyone has a Navy TS-34 oscilloscope for which
they would like the lined carrying suitcase,
please drop me a line and let's talk trades.
I have the case in nice shape and a scope which
looks good but is missing the CRT.

--
73 DE David Stinson AB5S
arc5@ix.netcom.com

Occupied Texas, CSA

Message-Id: <199811221550.JAA12644@smtp1.mailsvcs.net>
From: "Grant Youngman" <nq5t@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sun, 22 Nov 1998 09:49:44 -0600
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: WTB: Hammarlund SPC-10 Sideband Adapter

Looking for an SPC-10 SSB Adapter.

Condition is relatively unimportant other than it appear to be complete,
with no big missing pieces. Of course, better condition is better.

If you have one or know where there might be one to shake loose,
please drop me an email

Thanks .. Grant

Grant Youngman / NQ5T

nq5t@gte.net
BA pics at <http://home1.gte.net/nq5t>
Double Oak, TX -- nr Dallas

Message-ID: <36583943.77FB06AA@ix.netcom.com>
Date: Sun, 22 Nov 1998 11:18:11 -0500
From: Maurice Weinschenker <morry@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: re:ARC-5 STUFF
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ONCE AGN IVE BEEN IN MY ATTIC AND WANT TO DISPOSE OF A LOT OF MY ARC5
STUFF.(THINK ILL SAVE 3 RCVRS,2 XMTRS, MOD AND NECESSARY CONTROL BOXES.
MY QUESTION IS: IS THEIR A LIST SOMEWHERE OF THE APPROXIMATE WORTH OF
THIS STUFF OR A LIST OF THE STUFF THAT IS RELATIVELY RARE?
bEST 73 MORRY K3DPJ

Message-Id: <199811221715.LAA18626@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Over Quoting
Date: Sun, 22 Nov 98 11:15:01 CST

Gang-

Please accept this periodic posting as a gentle nudge and suggestion
intended to improve the quality of posts to the BoatAnchors list, and
as an effort to maintain our excellent (and high) signal to noise
ratio...

The list culture is to include only those portions of a prior post
that are required to maintain the context of your comments. We have
always tried to reduce the amount of "chaf" on the list, and this
is one way.

In private mail between you, a subscriber, and me,, as list manager,
I really don't care one way or the other, but when posting to the list,
there are at least two issues of concern:

one, the increased bandwidth from including extra text.

With the trial subscriptions and full members, the number of copies of each post mailed out change the impact of each extra word so that each single character becomes 1,000 characters of mail!

second, when not editing out included text, it sends a not too subtle message to the list, that the poster considers his/her own time to be more valuable than the collective time and energy of the 600-700 readers on the list... not exactly a "positive" message! ;^)

This isn't rocket science... you place the pointer at the top of the message you are including *parts* of, and click-drag to where you need to include, and then hit the backspace or delete key... painless, easy, quick, and very helpful to the list.

Treat the list as a symposium. In such an environment, with 600 others attending who have paid to be there, it is unlikely you would repeat someone else's portion of a conversation in its entirety as part of your own remarks... it would become very tedious, very quickly, if you did... especially if you repeated even the closing signature block of the previous message.

Thanks for your understanding and help in making the boatanchors list have the highest signal to noise on the InterNet.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Sun Nov 22 11:15:01 CST 1998

Message-ID: <36584AD6.35B9@ix.netcom.com>
Date: Sun, 22 Nov 1998 11:33:10 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: RCA Audio Channelist
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Offering this to the Boatanchor community first.
If not takers will offer to the audio folks.

Really pretty RCA Audio Channelist,
used for trouble-shooting audio amps in the 40s-60s.
Two of the test leads preset. Cover and finish in
good shape. All knobs present. Meter looks good.
Don't want to recap it so haven't plugged it in.

No manual.

\$40 / offers upwards plus shipping.

Someone who will pick-up in Austin, Texas get's first "dibs."

It's heavy- Probably \$25 +/- to ship.

--

73 DE David Stinson AB5S
arc5@ix.netcom.com

Occupied Texas, CSA

Message-Id: <3.0.32.19981122093412.0073861c@pop.mindspring.com>
Date: Sun, 22 Nov 1998 09:34:14 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: jim lockwood <jmlckwd@mindspring.com>
Subject: WTB: cabinet for SBE-34
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Good morning Gang,

I'm trying to help out a friend here. He's got a naked SBE-34 that I've managed to return to the ranks of the living. It came to him with no case. In fact three SBE-34s came to him with no case. Strange, huh?

Anyway, this little radio, which is now working darned well, would like to complete its phoenix-like rise from the ashes by having its own cabinet again.

Does anyone have one that is surplus to their needs? Lemme know.

Thanks and 73,

Jim - k4ccf

Date: Sun, 22 Nov 1998 13:18:20 -0500 (EST)
Message-Id: <199811221818.NAA03720@smtp13.bellglobal.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>
Subject: Re: Television standards(Colors)

Bonjour Roberta et les Autres

[illegible]

Message-ID: <003701be164b\$ff0333a80\$0695a4d1@default>
From: "Edward J. White" <wa3bzt@dpnet.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Boatanchors" <boatanchors@theporch.com>
Subject: Re: 60s 6 Mtr Gear
Date: Sun, 22 Nov 1998 14:11:39 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang:

Well supreme is closed as you might guess. It closed in 1969 or 1970.had a big sale of all the electronics and towers that it maid and also sold the TV re-gun for picture tubes(black & white). Jim worked at a place called Bell Supply on 9th Street in Chester, PA (the Commander Barry Bridge approach is where Bell Supply was today) I remember that they had a large show room with Viking,James Miller, Hallicrafters, Gonset and all the ARRL information books. It was a great place to spend a afternoon and play with the newest rigs. Brings back memories.

Ed WA3BZT

-----Original Message-----

From: Robert Nickels <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Saturday, November 21, 1998 6:45 PM
Subject: Re: 60s 6 Mtr Gear

>Hi Spencer,

>

```
>>Speaking of the Supreme transmitter, I own one which has a built-in VF0,  
>>serial Nr. 000001.
```

>

>I think you get the cigar! I'm always amazed when one-of-a-kind and unusual

```
>gear shows up within our BA-list fraternity.
```

 γ

>The same issue of 73 carries an ad from Supreme Electronics on the SSB-6,
>which would be the earlier model (without the VFO like Spencer's).

>Highlights include:

```
> - McCoy 32B1 Silver Sentinel Crystal Filter
```

```
> - 75 watts input, 6146 final
```

> - USB/LSB/CW/AM with carrier injection
> - 7360 Balance Modulator
> - Size: 12" wide, 6.5" high, 7.5" deep - 7.25 pounds.
> Sounds like a slick little rig! The non-VFO model had a nice Simpson
meter
> smack in the front panel, maybe we can get Spencer to make a jpeg of his
> even rarer VFO model available...
>
> Supreme was in Upland Pennsylvania, wonder what became of them?
>
> 73, Bob W9RAN
>

Date: Sun, 22 Nov 1998 14:33:24 -0500 (EST)
Message-Id: <199811221933.0AA16131@smtp13.bellglobal.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>
Subject: Russian R-107T

Bonjour to Ben and All.

Is it an England/Russia lend lease?
If Russian, how does it compare to the English one?
Andre
Acres of Boatanchors

> Anyone the circuit for the Russian R-107T ?
>
> cheers, Ben.

Message-ID: <01e101be1652\$531d21a0\$1a0c83cc@soundval.foothill.net>
From: "Eugene Rippen" <soundval@foothill.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Chart of BA frequencies in use
Date: Sun, 22 Nov 1998 11:57:23 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

			U S	D A Y S	PAC.
BAND	FREQ	S M T W T F S		TIME	DESCRIPTION

```

-----
160 1.803000 X X X X X X 20:00:00 VINTAGE CW
160 1.885000 X X X X X X X AM HANGOUT
160 1.930000 X 19:00:00 VINTAGE, NOSTALGIA
160 1.945000 X 17:00:00 VIN. AM, GREY HAIR,
160 1.985000 X X X X X X X AM HANGOUT
160 1.995000 X 02:00:00 EAST MIL. Winter
80 3.510000 X X X X X X X BOATANCHOR CW
80 3.579000 X 21:00:00 VINTAGE CW
80 3.579500 X X X X X X X 18:00:00 BOATANCHOR CW,
80 3.580000 X X X X X X X CW BA HANGOUT
80 3.745000 X 12:00:00 CAN. BOATANCHOR AM
80 3.805000 X 17:00:00 NFORMAL, CCA
80 3.815000 X X AM AFTERNOONS
80 3.820000 X X AM AFTERNOONS
80 3.825000 X X AM AFTERNOONS
80 3.830000 X X AM AFTERNOONS
80 3.835000 X X AM AFTERNOONS
80 3.835000 X 08:00:00 VINTAGE, CALIF. SSB
80 3.837000 X 13:00:00 AWA VINTAGE AM
80 3.837000 X 17:00:00 AWA VINTAGE SSB
80 3.840000 X X AM AFTERNOONS
80 3.855000 X 14:00:00 ARIZONA AM NET
80 3.865000 X X DRAKE SWAP
80 3.865000 X 17:00:00 DRAKE & ANTIQ. SSB
80 3.865000 X X TRADER'S NET
80 3.867000 X X X 18:30:00 AWA AM NET
80 3.870000 X 21:00:00 WEST AM SWAP
80 3.870000 X 08:00:00 VINTAGE CA. NET AM
80 3.870000 X X X X X X X AM +/- FREQ. EVE.
80 3.872000 X X X X X X X 21:30:00 WEST INFORMAL AM
80 3.875000 X X X X X X X 15:00:00 NORTHWEST AM NET
80 3.875000 X X X X X X X AM +/- FREQ. EVE.
80 3.875000 X 15:00:00 N.W. AM SWAP/ MEET
80 3.875000 X 17:00:00 COLLINS INFORMAL,
80 3.876000 X X X X X X X 06:00:00 COLO. AM NET, INFORMAL
80 3.880000 X X X X X X X AM +/- FREQ. EVE.
80 3.880000 X 05:00:00 DX-60, ENTRY LEVEL
80 3.885000 X 11:00:00 S.E. VINTAGE SWAP

```

U S	D A Y S		PAC.
BAND	FREQ	S M T W T F S	DESCRIPTION
80	3.885000	X	02:30:00 BEER TOWN TRADERS
80	3.885000	X	16:30:00 S.E. VINTAGE SWAP
80	3.885000	X X X X X X X	AM +/- FREQ. EVE.
80	3.885000	X	02:00:00 EASTCOAST MILITARY

80	3.885000		X	06:00:00	MID US AM SWAP/TECH
80	3.885000	X		16:30:00	EASTERN AM SWAP NET
80	3.895000		X	20:00:00	WEST COAST CCA NET
80	3.898000	X			SWAP NET
80	3.915000	X		09:30:00	SWAP MEET, ON SSB
80	3.945000	X X X X X X X		07:00:00	OLD BUZZARD NET, N.E.
80	3.955000	X		17:00:00	COLLINS SWAP, EAST
80	3.975000	X		09:30:00	W. MIL. NO 1st SUN.
80	3.975000	X		21:30:00	WEST MIL. 1ST SUN.
40	7.050000	*		17:00:00	1ST WED. VINT. CW
40	7.050000	X X X X X X X		18:00:00	BOATANCHOR CW
40	7.050000	X X X X X X X		19:00:00	VINTAGE CW
40	7.050000	X X X X X X X		01:00:00	AWA VINTAGE CW NET
40	7.160000	X		15:00:00	WEST 40M VINT. SSB
40	7.240000	X	X	12:30:00	VINTAGE SSB NET
40	7.240000	X	X	12:30:00	WESTCOAST SWAP NET
40	7.244000	X		09:00:00	AWA VINTAGE SSB
40	7.250000		X	13:00:00	SWAP NET
40	7.280000	X X X X X X X		07:00:00	HALLICRAFTERS SSB
40	7.290000	X X X X X X X			AM DURING DAYTIME
40	7.290000	X		11:00:00	AM ENTRY LEVEL GEAR
40	7.295000	X X X X X X X			AM FREQUENCY
20	14.037000	X		17:00:00	VINT. CW, NO SPEED
20	14.058000	X X X X X X X			'FISTS' HANGOUT
20	14.165000	X		11:00:00	WIRELESS SET NO. 19
20	14.190000	X	X	17:00:00	JA1DNQ AM NET
20	14.250000	X		14:00:00	SWAN NET, MID. U.S.
20	14.263000	X		12:00:00	CCA TECH/SWAP
20	14.274000	X		11:30:00	AWA SSB VINTAGE NET
20	14.275000	X		14:00:00	HEATH USERS AM & SSB
20	14.286000	X X X X X X X			AM FREQUENCY
20	14.286000	X X X X X X X		15:00:00	WESTCOAST AM NET,
20	14.293000	X		12:30:00	HEATHKIT NET
20	14.293000	X		11:00:00	VINTAGE SSB NET
15	21.425000	X X X X X X X			AM HANGOUT FREQ.
10	29.000000	X X X X X X X			29 - 29.2 AM WINDOW
10	29.100000	X X X X X X X			AM HANGOUT FREQ.
6	50.125000	X X X X X X X			SSB CALL FREQ.
6	50.360000	X		15:00:00	TOLEDO, OH. AM NET
6	50.400000	X	X	20:00:00	NORTHWEST AM NET

U S	D A Y S				PAC.					
BAND	FREQ	S	M	T	W	T	F	S	TIME	DESCRIPTION

6	50.400000	X							10:00:00	SO. CALIF. AM NET
6	50.400000	X							06:00:00	WASH. DC. AM NET

6	50.400000		X	05:00:00	MASS./CAPE COD. AM
6	50.400000			17:00:00	ORLANDO, FL. AM
6	50.400000	X		18:00:00	MOLINE, IL. AM NET
6	50.400000		X	18:00:00	SCV AM NET,
6	50.400000		X	19:00:00	ARIZONA AM NET
6	50.400000		X	17:00:00	NORTHERN, PA. CHAT
6	50.400000	X X X X X X X		15:00:00	ALBANY, NY. CHAT
6	50.400000	X X X X X X X			AM RPTR 50.4/ 50.5
6	50.400000	X X X X X X X			AM BA HANGOUT FREQ
6	50.525000	X X X X X X X			FM SIMPLEX CALL FREQ
6	50.550000	X		18:00:00	MEDIA, PA. AM NET
6	50.550000	X		07:00:00	WADSWORTH, OH. AM
6	50.580000	X X X X X X X		16:00:00	FORT WAYNE AM NET
2	144.100000	X X X X X X X			CW CALLING FREQ
2	144.110000	X X X X X X X			CW CALLING FREQ
2	144.200000	X X X X X X X			SSB CALLING FREQ
2	144.400000		X X	20:00:00	NORTHWEST AM
2	144.400000	X X X X X X X			AM BA FREQ

Eugene Rippen, WB6SZS

 From: MODSTEPH@ACS.EKU.EDU
 Date: Sun, 22 Nov 1998 15:48:59 -0500 (EST)
 Subject: Evansville (IN) Hamfest question
 To: Old Tube Radios <boatanchors@theporch.com>
 Message-id: <01J4H9WWEAHE00A5E9@ACS.EKU.EDU>
 MIME-version: 1.0
 Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Heard there was one in Evansville next weekend... Got some parts, tubes, equipment and will be in the area - andy one have more exact info on date, time place, please?

73, A1 N5AIT
 modsteph@acs.eku.edu

 From: nielw@ix.netcom.com
 Message-ID: <36587E9B.5585@ix.netcom.com>
 Date: Sun, 22 Nov 1998 15:14:03 -0600
 MIME-Version: 1.0
 To: Old Tube Radios <boatanchors@theporch.com>
 CC: boatanchors@theporch.com
 Subject: Re: ARC-5 STUFF
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Morry,

For starters check out THE BONEYARD RADIO PRICE GUIDE at
<http://www.mnsinc.com/bry/ham/boneyard.htm>

73, Niel-WA5VLZ
<http://www.io.com/~nielw/index.htm>

Maurice Weinschenker wrote:

>
> WANT TO DISPOSE OF A LOT OF MY ARC5
> STUFF.
> MY QUESTION IS: IS THEIR A LIST SOMEWHERE OF THE APPROXIMATE WORTH OF
> THIS STUFF

Message-ID: <36588458.D49ED2B8@vifp.monash.edu.au>
Date: Mon, 23 Nov 1998 08:38:32 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Magnetic recording
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Charles Ring wrote:

> My first experience with recording was on my father's Sears Silvertone
> wire recorder/AM radio/78 rpm record player with locktal tubes, which had
> AC bias but was strictly voice-grade. I know what wire or tape recordings
> sound like when the bias oscillator would fail (yecch); did DC bias give
> better results than THAT?

As a kid I had a very early transistorized tape recorder - it was a german Grundig "Cub" which was little more than a toy. It not only used DC bias but the erase head was a permanent magnet that swiveled around to contact the tape when you turned the switch to "record". It wasn't fantastic fidelity but OK for the sort of music I listened to in the early 60s. There was no capstan so the speed varied across a reel of tape and that made it incompatible with "proper" tape recorders - a distressing discovery when I tried to play a reel back on a friend's tape recorder!

73 de Morris VK3DOC

From: Kargokult@aol.com
Message-ID: <83b12849.365889d8@aol.com>

Date: Sun, 22 Nov 1998 17:02:00 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: re: 'Micamold' exploratory surgery
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Sandy, W5TVW recommends breaking open micamolds or-postage-stamp style type capacitors to see if the bunch are paper or mica. since i have a *large* stock of factory fresh surplus ones, i'll want to be trying this. what's the best way to open one, just a big pair of cutters, then what to look for? tnx, hue

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Sun, 22 Nov 1998 17:23:08 -0500 (EST)
Subject: SOURCE OF DOUBLE FUSED A.C. POWER PLUGS A LA E.F. JOHNSON GEAR?
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811221723.aa05844@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Anybody got a source of double-fused 110 V A.C. power plugs, like Johnson supplied with their gear?

-John Sehring (3:43 pm Sat, Nov 21, 1998 at Custer, SD USA) ucc wb2eqg

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Sun, 22 Nov 1998 17:23:08 -0500 (EST)
Subject: EARLY TV
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811221723.aa05830@pcusa01.ecunet.org>

To: boatanchors@theporch.com

> Oh boy, here we go again. Define "camera." Define "television."
> Guys like Jenkins had working devices for the transmission and reception
> of moving pictures by the early 1920s! They had an awful lot of moving
> mechanical parts and resolution wasn't much, but they worked.

Well, yes after a very rough fashion. Many folks reported that they didn't even know what they were looking at when viewing the "televisors". Frame rate was very low, total number of lines/frame was low, about 60, system frequency response was awful, transmission was on the very noisy & multipath prone 2-3 MHz band.

> (Jenkins was an especially good one--he was even getting decent
> greyscale).

Pix were described as "shadow box" stuff, only outlines were visible. Films (there were no "live" broadcasts, same file every nite, viewers complained!) were selected for max contrast. Grey scale is very tough to get given the neon bulb receivers. For starters, neons are very non-linear devices. Talk about a gamma curve with hysteresis!

> Phone Company had some stuff working, too.
Again, very crude but live pix, early telephone & pix system, in principle like Jenkins stuff but better executed and used phase & amplitude compensated phone lines instead of noisy radio like Jenkins. In spite of these advantages, still lousy.

> Baird was making even better "mechanical" TV pix in the same timeframe.

Yes, but he wound up, as 1935 approached (when the BBC would make a decision between his mechanical and EMI's all electronic TV system), he used mechanical cameras (quite good, I think) but all electronic receivers.

As practical live pickup still eluded him (his cameras were too insensitive), towards the end, he was making film of live broadcasts, developing them in a hurry (minutes) and running the wet film thru his mechanical-camera film chain.

> (Some of his "phonovision" discs from the '30s survive and have been
> transcribed--a UK employee of Hewlett-Packard did it, and has 'em on the
> Web somewhere).

Where, where?!! I wanna see 'em!

> Television was "just around the corner" for *decades.*

Well, I would say the late 20s to late 30s.

> A lot of very talented folks did very good work and many of them never
> lived to see anything come of it. Commercial viability was slowed by a
> number of factors, from things as technical as the need for better
> resolution to as basic as the Great Depression and a half-decade of

> global war.

It all had to be invented basically from scratch. There weren't even tubes & amps really suitable for receiving on low VHF, or transmitting with any kind of power or even amplifying baseband video.

> ...and resulted in the formation of the National Television Standards
> Committee (composed of all the major players) in the US by the late
> '30s. NTSC hammered out the basic US standards still in use today; they
> upped the resolution a little after the war (from 441 lines to 525)

That change made a bigger difference than the numbers would suggest. It was Bell Labs demo of 525 line stuff to the committee that made the decision happen. Also, use of FM for sound, a very important decision!

> ...but TV-as-we-know-it was a done deal in 1939. The UK beat us to the
> punch, picking a standard (405 lines, I think) by '37 or '38 (maybe
> earlier;

Yes, 1936, BBC started regular TV broadcasts from Alexandra Palace. 405 line system used AM sound, always troubled by impulse noise, some later sets had ANL. And choice of very low VHF freq channels caused lots of E-skip (and some F-skip, e.g. to New York City!) problems.

> unlike the hodgepodge of commercial interests that run the BC
> biz in the US, in Britain what Auntie said was How It Would Be) that
> stood until the '80s, when their changeover to 625-line colour was
> finished.

Yes, last 405 line broadcast in about 1984 I believe. But, England also broadcast in 625 line B&W, since about 1954. Cameras & such were then changed to 625 line stuff, and converted for the still-existing 405 line service. A group called 405 Alive still keeps 405 line sets & watches videotapes of 405 line stuff.

>And the rest of the industrial world was on the same timetable;
> Germany, Italy and France (at least) had TV standards in place and some
> kind of programming on the air well before WW II started.

Germany even had a mobile TV pickup & transmitter setup, in 6 large Army-type trucks, including 75 kW generators. But Germany's tv had a severe flicker problem (I think maybe they didn't use interlace), viewers to 1936 Olympic games in Berlin (closed circuit) reported severe headaches & eyestrain.

France of course marched to its own drummer & had/has weird 819 lines, upside down video modulation, AM sound, etc. & even suffers with SECAM color (you can't do usual studio video manipulations with SECAM, so it's

converted to (or maybe starts as) PAL color for the studio, then back to SECAM for transmission, yuck!

> "First" depends on where you live, where you start counting, and who
> you believe. I'm tempted to count Cassini, a Catholic priest with an
> inventive bent, who had line-by-line scanned *fax* machines with a good
> system of synchronization (gotta have sync. No sync, pix don't line up,
> viewer sees nothing or distorted pix) working *reliably* in the 19th
> century! No greyscale, and too slow for movin' pictures, but there's
> the first step on the road.

Wow, who was that?

> ...SF writer R. A. Lafferty did a very well-researched spoof on the
> topic in his short story "Selenium Ghosts of the 1800s" (or similar,
> it's been awhile), in which the restoration and playback of primitive
> "television" program recordings from the late 1800s plays a pivotal
> role--it's almost plausible....

Sounds keen!

Thanks Bobbi!

-John Sehring (3:23 pm Sat, Nov 21, 1998 at Custer, SD USA) ucc wb2eqg

End of BOATANCHORS Digest 2313
